

FIGURE 1

Human CHK1 cDNA and predicted amino acid sequences

```

ggcc gga cag tcc gcc gag gtg ctc ggt gga gtc atg gca gtg ccc ttt gtg gaa gac tgg
                                     M  A  V  P  F  V  E  D  W
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D  L  V  Q  T  L  G  E  G  A  Y  G  E  V  Q  L  A  V  N  R
gta act gaa gaa gca gtc gca gtg aag att gta gat atg aag cgt gcc gta gac tgt cca
V  T  E  E  A  V  A  V  K  I  V  D  M  K  R  A  V  D  C  P
gaa aat att aag aaa gag atc tgt atc aat aaa atg cta aat cat gaa aat gta gta aaa
E  N  I  K  K  E  I  C  I  N  K  M  L  N  H  E  N  V  V  K
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F  Y  G  H  R  R  E  G  N  I  Q  Y  L  F  L  E  Y  C  S  G
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G  E  L  F  D  R  I  E  P  D  I  G  M  P  E  P  D  A  Q  R
ttc ttc cat caa ctc atg gca ggg gtg gtc tat ctg cat ggt att gga ata act cac agg
F  F  H  Q  L  M  A  G  V  V  Y  L  H  G  I  G  I  T  H  R
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D  I  K  P  E  N  L  L  L  D  E  R  D  N  L  K  I  S  D  F
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G  L  A  T  V  F  R  Y  N  N  R  E  R  L  L  N  K  M  C  G
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gat gtt tgg tcc tgt gga ata gta ctt act gca atg ctc gct gga gaa ttg cca tgg gac
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caa ccc agt gac agc tgt cag gag tat tct gac tgg aaa gaa aaa aaa aca tac ctc aac
P  S  D  S  C  Q  E  Y  S  D  W  K  E  K  K  T  Y  L  N
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W  K  K  I  D  S  A  P  L  A  L  L  H  K  I  L  V  E  N
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Y  Q  C  L  K  E  T  C  E  K  L  G  Y  Q  W  K  K  S  C  M
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E  F  K  R  H  F  L  K  I  K  G  K  L  I  D  I  V  S  S  Q
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tgt tgg gca tac aaa taa tac cta tat ctt aat tgt aag caa aac ttt ggg gaa agg atg
aat aga att cat ttg att att tct tca tgt gtg ttt agt atc tga att tga aac tca tct
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FIGURE 2

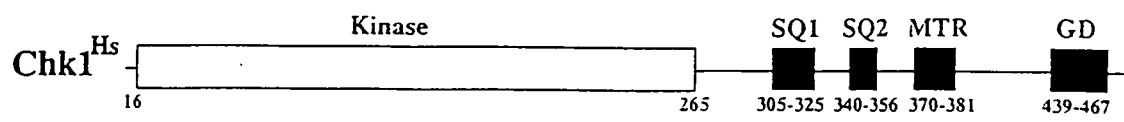
Mouse CHK1 cDNA and predicted amino acid sequences

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A  V  A  V  K  I  V  D  M  K  R  A  I  D  C  P  Q  N  I  K
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K  E  I  C  I  N  K  M  L  S  H  E  N  V  V  K  F  Y  G  H
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R  R  E  G  H  I  Q  Y  L  F  L  E  Y  C  S  G  G  E  L  F
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L  M  A  G  V  V  Y  L  H  G  I  G  I  T  H  R  D  I  K  P
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E  N  L  L  L  D  E  R  D  N  L  K  I  S  D  F  G  L  A  T
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C  Q  E  Y  S  D  W  K  E  K  K  T  Y  L  N  P  W  K  K
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att ttc agt ttg ggt ata tgt gct gca caa ggg ctt gac ca

```

FIGURE 3



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FIGURE 4

Hs	1	-----MVPFVED-----NDLVQTLGEGAGGEVQLAVNRVT--DEAVAVKIVDER-----EAVDCP
Dm	1	MAATLTAGTGPAATREVEG--NMLEQTLGEGAGGEVQLINROT--GGGCGMKVVDCK-----KNPQAA
Ce	1	MSAASTTSTPAAAAVAPQOPESLQRVVQTLGEGAGGEVQLIVNTKNPEVAHKKIN--AN-----KSKQPI
Sp	1	-----MAQRADNFPFHHGRDGTGAFASVRLCYDDNA--RMAVKEVVKKHATSCMNAQVWA
Hs	50	ENIRKEICLNKMLN--NENVVKEFYGHRRREGNIQYLFLEYCSGGELFDRIEFDIGMPEPDAOREPHQLMAG
Dm	63	NSVRKEICIQKMLQ---DNVITREFGKRSQGSVEYLFLEYAAGGELFDRIEFDVGMPEQHAORYSTQLISG
Ce	67	ENIRKEICLQRRVSAVGNNVIRMIQMRNDPQFYLFLEYADGGELFDRIEFDGMSPVTAQPFYKQLICG
Sp	54	RMAASZQLHRTCN--GNKATIEFYNTAENPQRRVVLQEAQGGELFDRIEFDVGDDEDAQPFYEAQLMEG
Hs	118	VVYLE-GIGITHRDIKPENLLLDDEHDNLKISDFGLATFYRN--MERLLNRCGTLPPYVAPELKKRE--EH
Dm	131	QVYLE-QRGIAHRDIKPENLLLDDEHDNLKISDFGLATFYRCK--GKERLLDRCGTLPPYVAPELKKAY--Q
Ce	138	QKYLE-DNDYHRDIKPENLLLTGTHVLKISDFGLATFYRCK--GKERLLDLSGTLPPYVAPELKKAY--YR
Sp	125	ISEME-SKGYAHRDEKPENLLLDYNGNLKISDFGLATFYRCK--GKERLLDLSGTLPPYVAPELKKAY--YR
Hs	186	AEPVDVWSSCGIVLTAMLAGELPWDQPSDSQOVSQWREKKAYLN--PWKRIIDSAFALCKRIIVENDSARI
Dm	198	POPEHVNSSCGIVLVTLAGELPWDQPSSTNCTEETMWDNDHWQLQTPWSKIDTALSLLRKILLATSPGTR
Ce	206	GPEVDVWSSCGIVLTAMLAGELPWDQPSDSQOVSQWREKKAYLN--PWKRIIDSAFALCKRIIVENDSARI
Sp	191	GSVDVWSSCGIVLTAMLAGELPWDQPSSTNCTEETMWDNDHWQLQTPWSKIDTALSLLRKILLATSPGTR
Hs	255	QTPDIKDRWYNSPKKGAHRPRVTSQGVSESESPSKHIOQNLQFSPQNSASSEENVSYSSSQPEPRGGL
Dm	270	QTEKTLDHKWCAMQFADNPSYDLBDSAALEICSPKRRRQRLQSSAHQSNGLDQSIISNYCSQPMPTMRT
Ce	277	QTEQIQADPWYQH--NEGQV--ETENGRPLRRARNND-----ENYCTQQAECQAK
Sp	262	SVRHVQHPWLTSSSTPERTNGNCADPVHLSRLMLKLEIDLD--KPRLLSSRAQNDSCGSMQPAFKKND
Hs	326	SIWDTSPSEIDKRV-----QGSFSSQPTCPDHELLNSQMLGTPCSSQNPQORLVK
Dm	341	DDDFNVRLGSGRIQ-----GGWRRPQTLAQEARLSYFSSQPALDDMLLATQENOTQNASQNYEQRLVR
Ce	335	RR--ELETPNEKSSLAER-----QNASFSSQPTCTEDMLITQHIDMSQNS--NLQREVC
Sp	332	QKELDRDEVYGHISQPV-----QLAKNI DVTEIETKDPSSLOFCENEGET-----KRLAK
Hs	376	R-----MTRPFTR--EDDKSYQCLKETQKQGYQAKKSCMHQVTESTDRRNNELPKUNLE
Dm	405	R-----MTRFEVTRWDTI--KRLVGTIERLGGYTKQFGDGVTVSVVDROKDLVEKENTLE
Ce	374	R-----MTRFCVV--TDLRSYQKVARASEHGGGLREDDYRLVWMEVSMNVSYTEGDIP
Sp	371	KAKNEYICPPEIRTRFYR--ASRETIIDHLQDSLRLAASVLMAYVRL--QTLYVNIHD
Hs	433	MDKRII-----VDPRLSKGDGLEFKRRHEDKIRGMLID--LVSSQKWLPIAT----- 476
Dm	463	MDKRII-----VDPRLSKGDGLEFKRRHEDKIRGMLID--LVSSQKWLPIAT----- 513
Ce	431	MDKRII-----VDPRLSKGDGLEFKRRHEDKIRGMLID--LVSSQKWLPIAT----- 479
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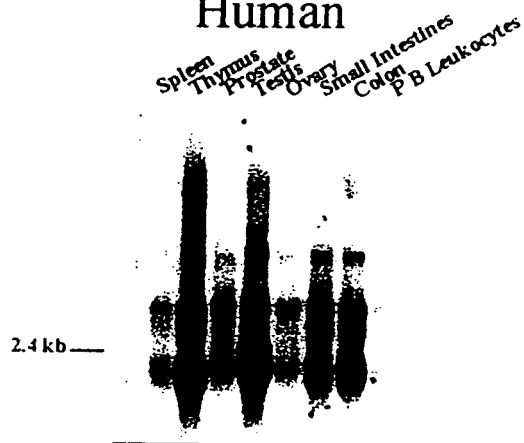
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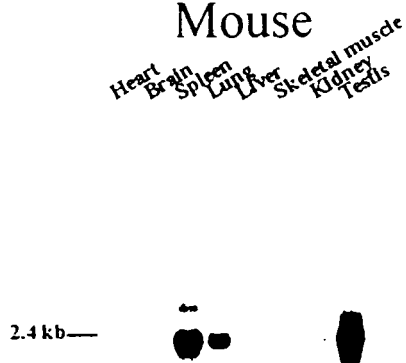
FIGURE 5

A.

Human



Mouse



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3

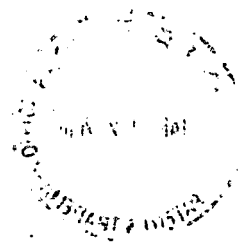
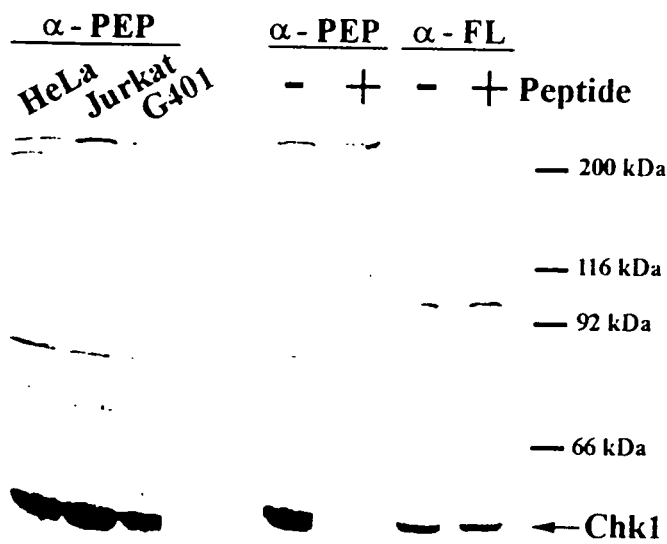


FIGURE 6

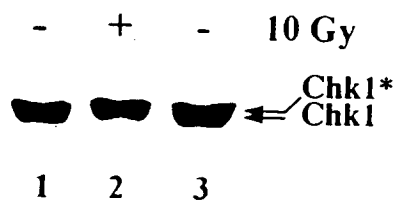


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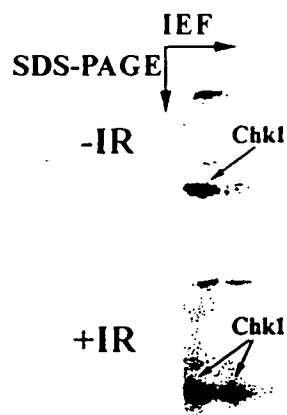


FIGURE 7

A.



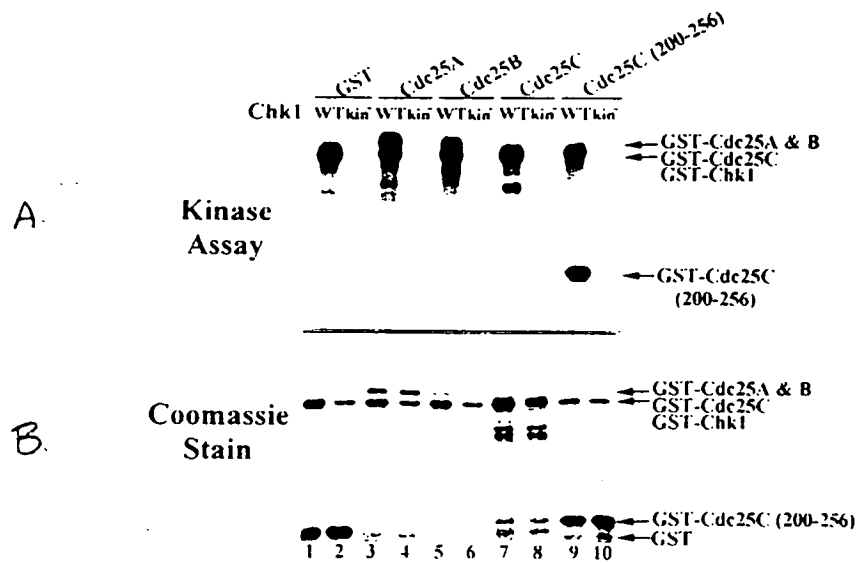
B.



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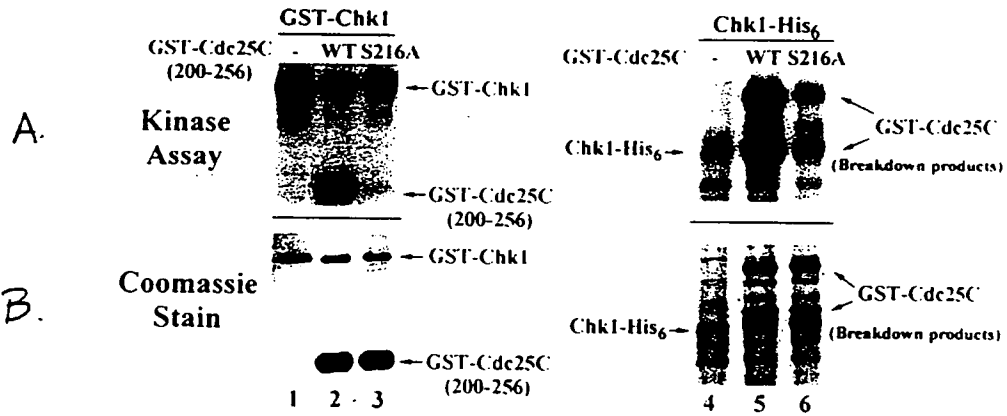
FIGURE 8



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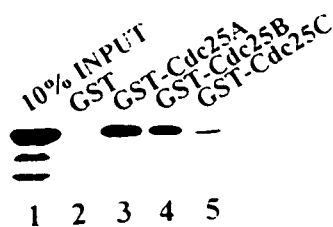
FIGURE 9



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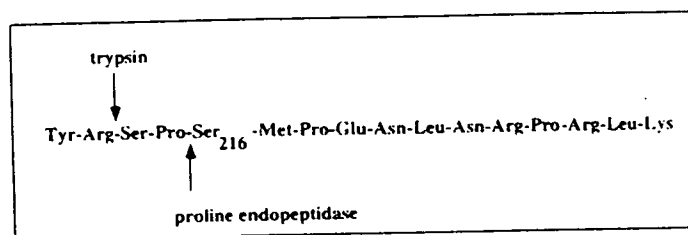
FIGURE 10



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FIGURE 11



00370-4988760

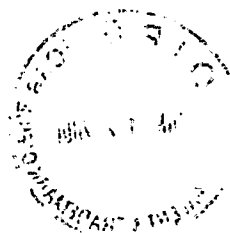
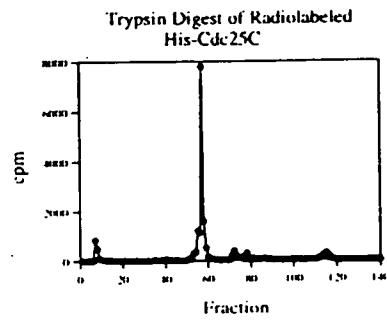
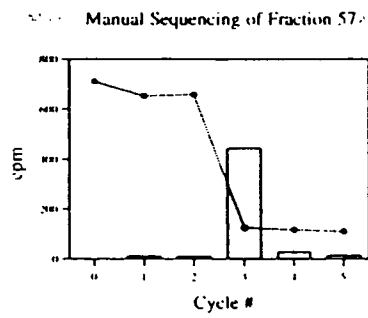


FIGURE 12

A



B.



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